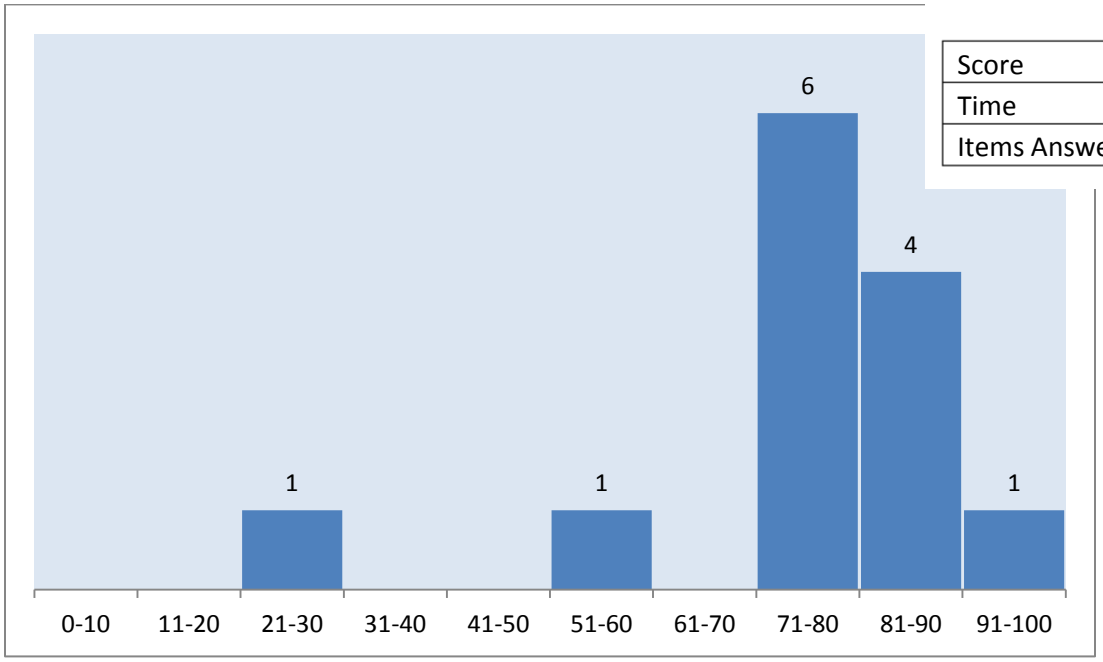
11-12 State Results

AgMET Power Systems

13 Participants



	Min	Max	Mean
Score	27	92	75.31
Time	0:05:33	0:41:45	00:23:11
Items Answered	98	100	99.77

Average Score: 75
Cut Score: 65
Pass percentage: 85%

Assessment: AgMET Power Systems
Number tested:13

Content Standards, Performance Standards, Indicators	NV State Averages
1) CONTENT STANDARD 1.0 : DEMONSTRATE GENERAL SHOP SAFETY PROCEDURES	87.50%
1) PERFORMANCE STANDARD 1.1 UNDERSTAND PERSONAL AND GROUP SAFETY	87.50%
1) 1.1.1 Demonstrate personal safety precautions in an agricultural mechanics environment	86.54%
2) 1.1.2 Describe group safety precautions in an agricultural mechanics environment, including lock out/tag out procedures	84.62%
3) 1.1.3 Identify safe and unsafe working conditions in the agricultural mechanics environment	92.31%
7) 1.1.7 Demonstrate appropriate fire extinguisher use	84.62%
2) CONTENT STANDARD 2.0 : DEMONSTRATE SAFE AND PROPER WELDING PROCEDURES	87.55%
1) PERFORMANCE STANDARD 2.1 : DEMONSTRATE SAFE AND PROPER TECHNIQUES IN OXY/FUEL CUTTING (OFC)	83.52%
1) 2.1.1 Demonstrate proper safety practices while operating all welding and cutting equipment	92.31%
3) 2.1.3 Properly assemble oxy/fuel apparatus	87.69%
5) 2.1.5 Properly cut mild steel to specification	53.85%
2) PERFORMANCE STANDARD 2.2 : DEMONSTRATE SAFE AND PROPER TECHNIQUES IN SHIELDED METAL ARC WELDING (SMAW)	89.56%
1) 2.2.1 Demonstrate proper safety practices while operating all welding and cutting equipment	94.87%
2) 2.2.2 Select appropriate electrodes for specific applications	92.31%
5) 2.2.5 Produce three AWS standard welds in the flat and horizontal position	89.01%
6) 2.2.6 Identify welding electrodes using AWS electrode classification system	88.46%
7) 2.2.7 Determine the correct shade of lens used for a given application and type of welding process	76.92%
3) CONTENT STANDARD 3.0 : UNDERSTAND THE PRINCIPLES OF ELECTRICITY IN AGRICULTURE	64.84%
1) PERFORMANCE STANDARD 3.1 : UNDERSTAND PRINCIPLES AND THEORIES OF ELECTRICITY	64.10%
1) 3.1.1 Describe proper safety practices applicable to agricultural electrification	84.62%
3) 3.1.3 Calculate voltage, current, and resistance using Ohms Law	60.00%
2) PERFORMANCE STANDARD 3.2 : APPLY THE PRINCIPLES AND THEORIES OF ELECTRICAL CIRCUITS	65.38%
1) 3.2.1 Determine the proper conductor for specific applications	61.54%
2) 3.2.2 Explain the function of circuit breakers and overcurrent protection devices	69.23%
3) 3.2.3 Explain the function and importance of grounding in electrical circuits	61.54%
4) CONTENT STANDARD 4.0 : UNDERSTAND WATER AND WASTEWATER MANAGEMENT IN AGRICULTURAL AND INDUSTRIAL SETTINGS	50.00%
1) PERFORMANCE STANDARD 4.1 : DEMONSTRATE SAFE PRACTICES AND PROCEDURES IN AGRICULTURAL AND INDUSTRIAL WATER MANAGEMENT	50.00%
1) 4.1.1 Explain the role of water use, management and conservation in the agricultural industry	50.00%
5) CONTENT STANDARD 5.0 : UNDERSTAND PRINCIPLES AND APPLICATIONS IN AGRICULTURAL	84.62%
1) PERFORMANCE STANDARD 5.1 : DEMONSTRATE PRACTICES, APPLICATIONS AND PROCEDURES OF DRAFTING IN AGRICULTURAL PROJECTS	84.62%
3) 5.1.3 Develop a bill of materials from a selected set of plans	84.62%
2) PERFORMANCE STANDARD 5.2 : KNOW AND DEMONSTRATE PRACTICES AND PROCEDURES IN CONSTRUCTION OF AGRICULTURAL PROJECTS	84.62%
1) 5.2.1 Explain safety procedures required while working on a project site, including personal safety, hand and power tools and equipment	84.62%
6) CONTENT STANDARD 6.0 : UNDERSTAND PRINCIPLES AND APPLICATIONS OF SINGLE AND MULTIPLE CYLINDER ENGINES	74.92%
1) PERFORMANCE STANDARD 6.1 : DEMONSTRATE SAFE PRACTICES AND PROCEDURES OF THE OPERATION, MAINTENANCE AND REPAIR OF SMALL GAS ENGINES AND EQUIPMENT	84.62%
1) 6.1.1 Describe personal and environmental safety practices associated with the operation, maintenance and repair of small gas engines and equipment	84.62%
2) PERFORMANCE STANDARD 6.2 : DEMONSTRATE A WORKING KNOWLEDGE OF THE ESSENTIAL ENGINE OPERATING SYSTEMS	75.64%
1) 6.2.1 Classify small gas engines according to ignition, fuel, cooling, lubrication and compression systems	73.08%
2) 6.2.2 Explain functions of ignition, fuel, cooling, lubrication and compression systems and their interrelationships	76.92%
4) PERFORMANCE STANDARD 6.4 : DEMONSTRATE MAINTENANCE AND REPAIR PROCEDURES ON SINGLE AND MULTIPLE CYLINDER ENGINES AND ATTACHMENTS	73.08%
1) 6.4.1 Identify common failures relating to ignition, fuel, cooling, lubrication and compression systems and	67.31%
2) 6.4.2 Interpret service manual information for small engine and equipment maintenance and repair	75.38%
3) 6.4.3 Diagnose and repair common failures relating to ignition, fuel, cooling, lubrication, electrical and compression	84.62%
7) CONTENT STANDARD 7.0 : DEMONSTRATE BASIC SKILLS IN OPERATION, MAINTENANCE AND REPAIR OF AGRICULTURAL MACHINERY	76.92%
1) PERFORMANCE STANDARD 7.1 : DEMONSTRATE SAFE PRACTICES AND PROCEDURES ASSOCIATED WITH THE OPERATION, MAINTENANCE AND REPAIR OF AGRICULTURAL MACHINERY AND EQUIPMENT	76.92%
3) 7.1.3 Explain the importance of preventive maintenance programs and keeping accurate maintenance records	73.08%
7) 7.1.4 Prepare an applicable piece of equipment for storage	76.92%

Assessment: AgMET Power Systems **Number tested:13** **Content Standards, Performance Standards, Indicators**	**NV State Averages**
7) 7.1.7 Perform manufacturerâ€™s recommended pre-operation safety inspection	80.77%
8) CONTENT STANDARD 8.0 : IDENTIFY AND DEMONSTRATE THE PROPER USE OF AGRICULTURAL HAND AND POWER TOOLS	61.54%
1) PERFORMANCE STANDARD 8.1 : IDENTIFY GENERAL SHOP HAND AND POWER TOOLS	51.92%
1) 8.1.1 Identify and explain the safe and proper use of shop hand and power tools	51.92%
2) PERFORMANCE STANDARD 8.2 : DEMONSTRATE APPROPRIATE PROCEDURES FOR THE MAINTENANCE AND REPAIR OF HAND TOOLS	74.36%
1) 8.2.1 Determine if the tool can be safely used in its present condition or, if damaged, reconditioned/replaced	69.23%
2) 8.2.2 Demonstrate proper care and storage of tools	84.62%
3) 8.2.3 Repair a damaged tool to a safe working condition	69.23%
9) CONTENT STANDARD 9.0 : DEMONSTRATE THE OPERATION, MAINTENANCE AND USE OF ELECTRICAL POWER, MOTORS AND CONTROLS IN AGRICULTURAL APPLICATIONS	73.08%
1) PERFORMANCE STANDARD 9.1 : DEMONSTRATE PROCEDURES ASSOCIATED WITH THE OPERATION, MAINTENANCE AND REPAIR OF ELECTRICAL POWER	73.08%
1) 9.1.1 Recognize possible safety hazards while working with electric motors and controls	69.23%
2) 9.1.2 Select and properly use safety equipment appropriate to working conditions	76.92%
10) CONTENT STANDARD 10.0 UNDERSTAND AGRICULTURAL HYDRAULIC SYSTEMS	68.38%
1) PERFORMANCE STANDARD 10.1 DEMONSTRATE KNOWLEDGE OF THE BASIC PRINCIPLES, OPERATION AND MAINTENANCE OF HYDRAULICS SYSTEMS IN THE AGRICULTURAL INDUSTRY	68.38%
1) 10.1.1 Identify essential safety practices relating to the operation of agricultural equipment using hydraulics	53.85%
2) 10.1.2 Explain the four basic principles of hydraulics	79.49%
3) 10.1.3 Describe the functions and relationships of the basic components of an hydraulic system	53.85%
4) 10.1.4 Perform routine service and maintenance utilizing appropriate service manuals	76.92%
7) 10.1.7 Select and assemble the proper components needed to construct a proposed hydraulic system	61.54%
11) CONTENT STANDARD 11.0 : DESCRIBE THE RELATIONSHIP BETWEEN A SUPERVISED AGRICULTURAL EXPERIENCE (SAE) AND PREPARATION OF STUDENTS FOR A CAREER IN AGRICULTURE	80.77%
1) PERFORMANCE STANDARD 11.1 : ACTIVELY DEVELOP AND PARTICIPATE IN SUPERVISED AGRICULTURAL EXPERIENCE, WHICH ENABLES STUDENTS TO OBTAIN WORK-BASED SKILLS	80.77%
1) 11.1.1 Identify and describe a career interest in agriculture or agriculture related occupation	92.31%
3) 11.1.3 Keep accurate records as prescribed by the Nevada State FFA policies and procedures	76.92%
12) CONTENT STANDARD 12.0 : PARTICIPATE IN LEADERSHIP TRAINING THROUGH MEMBERSHIP IN FFA	55.77%
1) PERFORMANCE STANDARD 12.1 : RECOGNIZE THE TRAITS OF EFFECTIVE LEADERS AND PARTICIPATE IN LEADERSHIP TRAINING THROUGH INVOLVEMENT IN FFA	53.85%
5) 12.1.5 Describe the meaning of the FFA colors	53.85%
2) PERFORMANCE STANDARD 12.2 : UNDERSTAND THE OPPORTUNITIES IN FFA	42.31%
2) 12.2.2 Identify major state and national activities and awards available to FFA members	42.31%
3) PERFORMANCE STANDARD 12.3 : UNDERSTAND THE IMPORTANCE OF SCHOOL AND COMMUNITY AWARENESS	84.62%
1) 12.3.1 Discuss the meaning and importance of community service	84.62%